


## DEPUTY MINISTERS' SCIENCE COORDINATION GROUP ON CLIMATE CHANGE

### MEETING DETAILS

- **DATE/TIME:** Wednesday, November 7, 2018, 1:00 to 2:00 p.m.
- **LOCATION:** 235 Queen Street, room 754C
- **PARTICIPANTS:**
  - Kelly Gillis, Deputy Minister, Infrastructure and Communities
  - Mona Nemer, Chief Science Advisor (co-chair)
  - Stephen Lucas, Deputy Minister, Environment and Climate Change (co-chair)
  - Other participating departments and agencies include: Canada Foundation for Innovation, Canadian Institutes of Health Research, Crown-Indigenous Relations and Northern Affairs Canada, Fisheries and Oceans Canada, Health Canada, Indigenous Services Canada, Innovation, Science and Economic Development Canada, Natural Resources Canada, Natural Science and Engineering Research Council, and the Social Sciences and Humanities Research Council.

### BACKGROUND

- The Deputy Minister level Science Coordination Group (SCG) focuses on enabling increased collaboration between federal departments; agencies; academia; and First Nations, Métis, and Inuit people in developing a national climate change science plan. The SCG will consider all science and scientific infrastructure needs representing important opportunities for the Pan-Canadian Framework on Clean Growth and Climate Change (PCF).
- The creation of the SCG was first announced in January 2018, at a DM PCF Committee meeting.
- INFC's former Associate, Yazmine Laroche, expressed interest in INFC participating in this Deputy Minister group in the context of INFC's research funding potentially supporting climate change science. Ms. Laroche served as INFC representative at the first and only meeting of the group, held July 19, 2018.

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**ANNOTATED AGENDA (Agenda in Annex A)**

**1. Opening Remarks (ECCC and Chief Science Advisor)**

**2. Updates**

- Dr. Lucas will provide a brief review of the July 2018 meeting's Record of Decision (**Annex B**) and presentation of revised Terms of Reference (**Annex C**).

**3. A Roadmap to developing Climate Change Science Plan**

- ECCC will present a roadmap (**Annex D**) leading to the creation of a National Climate Change Science Plan. The Plan will build on the Targeted Federal Climate Change Science Plan (2017-2020), which only covers federal science, and will help support outcomes under both the Pan-Canadian Framework (led by ECCC) and the New Vision for Science and Research in Canada (led by ISED).
- The proposed Plan would go beyond federal science and support the federal government working with outside stakeholders, including Indigenous partners, to identify science priorities and clear pathways from science to policy in support of achieving climate change goals and making Canada a leader on climate change.
- The Roadmap to develop the Plan takes a milestone approach, leading to its implementation in 2020.
  - Milestone 1 is developing a hosting workshop proposed for February 2019 (see **Annex E** for workshop concept note) to help identify priority areas to result from the Plan.
  - Milestone 2 is a multi-departmental Call for Proposals in 2019-2020, which would build on the ECCC-NSERC-HC joint call for proposals in 2018-2019, and workshop conclusions.
  - Milestone 3 is broader engagement, with stakeholders outside the federal government. This needs to be fleshed out.
- ECCC has asked that other departments interested in supporting the Plan, both in kind and/or financially, should express their interest over the coming weeks.

**4. Granting Agencies Investments in Climate Change Science**

- Granting agencies will deliver a short presentation to highlight their current funding of climate change science (**Annex F**). This will provide an opportunity for Deputy Ministers to explore whether further analysis is needed and to reinforce linkages between granting agencies activities and the Science Coordination Group.

## 5. Roundtable

### *Points to Register*

- We see synergies between our mandate at Infrastructure Canada and the development of a National Climate Change Science Plan, including our own priorities in science and innovation.
  - Infrastructure Canada is committed to improving its data, knowledge and information regarding Canada's infrastructure landscape. We are pleased to collaborate across the federal family and with external stakeholders as we pursue research to advance our policy and program objectives.
- I have directed my officials to remain engaged with ECCC to explore how Infrastructure Canada can best support activities under the Science Plan.
- As well, I look forward to an upcoming meeting with Minister Champagne and Dr. Nemer.

### Attachments:

Annex A – Agenda

Annex B – Record of Decision for July 19, 2018 meeting

Annex C – Terms of Reference

Annex D – Roadmap to Create a National Plan

Annex E – Concept Paper for National Workshop on Climate Change Science Priorities

Annex F – Granting Agencies Funding on Climate Change Science

<b>Groupe de coordination scientifique du changement climatique</b>	<b>7 novembre 2018</b> <b>13h00-14h00</b>
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Lieu : 235 rue Queen, Pièce 754C

<b>Durée</b>	<b>Sujet</b>	<b>Présentateurs</b>
5 min	<b>1. Mot d'ouverture des coprésidents</b>	<b>Mona Nemer &amp; Stephen Lucas,</b>
5 min	<b>2. Mises à jour</b>  <b>Objet :</b> Informer le Groupe de coordination scientifique du changement climatique des mesures de suivi discutées lors de la réunion du 19 juillet.	<b>Stephen Lucas</b>  <b>Documents :</b> <ul style="list-style-type: none"> <li>• Compte rendu des décisions du 19 juillet</li> <li>• Mandat révisé du Groupe de coordination scientifique</li> </ul>
25 min	<b>3. Feuille de route pour l'établissement d'un plan scientifique national en matière de changements climatiques</b>  <b>Objet :</b> <ul style="list-style-type: none"> <li>• Discuter de l'approche globale et des principaux jalons pour l'élaboration du plan scientifique.</li> <li>• Examiner l'atelier national sur l'identification des priorités.</li> <li>• Sonder l'intérêt à participer à un appel conjoint de propositions en 2019-2020.</li> </ul>	<b>Nancy Hamzawi,</b> Environnement et Changement climatique Canada (ECCC)  <b>Documents:</b> <ul style="list-style-type: none"> <li>• Présentation sur la feuille de route pour l'élaboration d'un plan scientifique</li> <li>• Document de conception pour un atelier national sur les priorités des changements climatiques</li> </ul>
20 min	<b>4. Investissements des organismes subventionnaires dans la science des changements climatiques</b>  <b>Objet :</b> <ul style="list-style-type: none"> <li>• Prendre connaissance des investissements des organismes subventionnaires dans la science des changements climatiques.</li> <li>• Discuter des éléments pour promouvoir l'analyse et les occasions de renforcer les liens avec le travail de ce groupe.</li> </ul>	<b>Roseann O'Reilly Runte,</b> Fondation Canadienne pour l'innovation <b>Michelle Peel,</b> Instituts de recherche en santé du Canada <b>Marc Fortin,</b> Conseil de recherches en sciences naturelles et génie du Canada <b>Wafa Bitar,</b> Conseil de recherches en sciences humaines <b>Marc LePage,</b> Genome Canada  <b>Document:</b> <ul style="list-style-type: none"> <li>• Présentation pour discussion</li> </ul>
5 min	<b>3. Mot de la fin et tour de table</b>	<b>Stephen Lucas</b>

**Science Coordination Group on Climate Change**
**November 7, 2018**
**1:00-2:00 PM**
Location: 235 Queen St, room 754C

Time	Topic	Presenter
5 min	<b>1. Opening Remarks by Co-Chairs</b>	<b>Mona Nemer &amp; Stephen Lucas</b>
5 min	<b>2. Updates</b>  <b>Purpose:</b> To update the Science Coordination Group on Climate Change on actions items discussed at the July 19 2018 meeting.	<b>Stephen Lucas</b>  <b>Documents:</b> <ul style="list-style-type: none"> <li>• July 19 Record of Discussion</li> <li>• Revised Science Coordination Group on Climate Change Terms of Reference</li> </ul>
25 min	<b>3. A Roadmap to Develop a National Climate Change Science Plan</b>  <b>Purpose:</b> <ul style="list-style-type: none"> <li>• Discuss overall approach and key milestones in the development of the Science Plan.</li> <li>• Review the proposed National Workshop identifying priority areas.</li> <li>• Seek interest in participating in the Joint Call for Proposals in 2019-2020.</li> </ul>	<b>Nancy Hamzawi</b> , Environment and Climate Change Canada (ECCC)  <b>Documents:</b> <ul style="list-style-type: none"> <li>• Presentation on a Roadmap to Develop a Science Plan</li> <li>• Concept Paper for a National Workshop on Climate Change Science Priorities</li> </ul>
20 min	<b>4. Granting Agency Investments in Climate Change Science</b>  <b>Purpose:</b> <ul style="list-style-type: none"> <li>• Provide a preliminary inventory of Granting Agency investments in climate change science.</li> <li>• Discuss elements to further analysis and opportunities to reinforce linkages with the work of this group.</li> </ul>	<b>Roseann O'Reilly Runte</b> , Canada Foundation for Innovation <b>Michelle Peel</b> , Canadian Institutes of Health Research <b>Marc Fortin</b> , Natural Sciences and Engineering Research Council of Canada <b>Wafa Bitar</b> , Social Sciences and Humanities Research Council. <b>Marc LePage</b> , Genome Canada  <b>Document:</b> <ul style="list-style-type: none"> <li>• Overview Deck for Discussion</li> </ul>
5 min	<b>5. Closing Remarks/Roundtable</b>	<b>Stephen Lucas</b>

**Deputy Minister Science Coordination Group on Climate Change  
Record of Discussion—July 19, 2018**

**1. Opening Remarks**

- Dr. Stephen Lucas (Environment and Climate Change Canada—ECCC) welcomed participants and provided context describing how the *Targeted Federal Climate Change Plan* was developed independently from, but in response to, science needs outlined in the *Pan-Canadian Framework for Clean Growth and Climate Change*.
- Dr. Mona Nemer (Canada's Chief Science Advisor) communicated her interest in engaging the academic community in the next phase of the *Climate Change Science Plan*.

**2. Proposed Terms of Reference**

- Dr. Lucas shared his vision for the proposed Science Coordination Group on Climate Change. The role of the group would be to identify areas of focus for collaboration under the *Climate Change Science Plan*; identify means by which to strengthen coordination and increase collaboration amongst Canadian science actors; and address barriers to collaboration.
- Dr. Lucas invited participant comments on the group's proposed Terms of Reference. Key issues raised in discussions included:
  - Consideration of the role of Indigenous peoples and co-application of Indigenous Knowledge. National work of the Canada Research Coordinating Committee on indigenous research priorities could inform the work of the Science Coordination Group.
  - Modification of the Terms of Reference to better reflect the role that organisations such as the Canada Foundation for Innovation play in enabling science.

**Action Item:**

- Terms of reference will be modified to reflect points raised during discussion.

**3. Strengthening Intramural/Extramural Collaboration for Climate Change Science**

- George Enei (ECCC) described a proposed three-pronged approach for strengthening intramural/extramural collaboration including a targeted joint call for proposals in Fall 2018 with the Natural Sciences and Engineering Research Council (NSERC), the opportunity to offer top-ups to projects funded by the Granting Agencies,<sup>1</sup> and the development of a more ambitious call for proposals involving multiple Departments and Granting Agencies for FY2019-20.
- Participants noted their support for the proposal and the community agreed to collaborate and develop a more ambitious call involving multiple Departments and Granting Agencies for FY2019-20.
- Key issues raised in discussion included:
  - It was noted that Granting Agencies already make significant investments in science related to climate change. It was suggested that work proposed under the banner of the *Climate Change Science Plan* be new and different from work already funded by Granting Agencies and that it integrate across disciplines.
  - The Canadian Institutes of Health Research (CIHR) is in the process of completing a mid-term investment review, which could identify new funding opportunities.

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<sup>1</sup> Here defined as Canadian Institutes of Health Research, Natural Sciences and Engineering Research Council, and Social Sciences and Humanities Research

**Action Items:**

- Granting Agencies will perform a stocktake (inventory) of their investments with respect to climate change science.
- The joint call with NSERC for FY2018-19 will be launched this fall. ECCC will reach out to Fisheries and Oceans Canada and Health Canada to determine readiness to participate.
- Work will be initiated on a more ambitious multi-agency and multi-department joint call for FY2019-20. This includes developing a concept paper for a national workshop on climate change science priorities that will identify themes for a broader call and help to evolve the current *Climate Change Science Plan* into a national plan for climate science.
- A public facing draft of the *Climate Change Science Plan* will be posted online with a preface indicating that it is a starting point for future work.
- A framework for engaging Indigenous peoples respectfully and meaningfully in FY2019-20 will be proposed.
- The next meeting of the Science Coordination Group will be in Fall 2018.

### List of Meeting Participants

Department	Participants
Agriculture and Agri-Food Canada	Javier Graza-Garcia, Director General
Canada's Chief Science Advisor	Mona Nemer, Chief Science Advisor, co-Chair
Canada Foundation for Innovation	Rosann Runte, President
Canadian Institutes of Health Research	Jeff Latimer, Director General
Crown-Indigenous Relations and Northern Affairs Canada	Hélène Laurendeau, Deputy Minister Mark Hopkins, Director General
Environment and Climate Change Canada	Steven Lucas, Deputy Minister, co-Chair George Enei, Assistant Deputy Minister
Fisheries and Oceans Canada	Arran McPherson, Assistant Deputy Minister
Health Canada	Christine Donoghue, Associate Deputy Minister
Indigenous Services Canada	Tom Wong, Chief Medical Officer of Public Health
Infrastructure Canada	Yazmine Laroche, Associate Deputy Minister
Innovation Science and Economic Development Canada	Eric Dagenais, Assistant Deputy Minister
Natural Resources Canada	Donna Kirkwood, Chief Scientist
Natural Science and Engineering Research Council	Marc Fortin, Vice President
Social Sciences and Humanities Research Council	Ted Hewitt, President



## Terms of Reference - Science Coordination Group on Climate Change (SCG) Strengthening Collaboration for Climate Change Science

**Context:** On January 31, 2018, the Deputy Minister Oversight Committee for the *Pan-Canadian Framework on Clean Growth and Climate Change* (PCF) endorsed the *Targeted Federal Climate Change Science Plan* (the Plan) and the creation of an informal group to strengthen linkages between intramural and extramural climate change science, as outlined in the Government of Canada's New Vision for Science.

**Mandate:** The Deputy Minister level SCG will focus on enabling increased collaboration between federal departments; agencies; academia; and First Nations, Métis, and Inuit people in developing a national climate change science plan. The SCG will consider all science and scientific infrastructure needs representing important opportunities for the PCF.

**Objectives:**

Discuss ways to increase linkages between the academic community; First Nations, Métis, and Inuit people; and the federal government to support the creation of a national climate change science plan in support of the PCF.

The SCG shall:

- Explore ways to interweave both Indigenous Traditional Knowledge and science to inform the evidence-base for climate change actions;
- Take a distinctions-based approach to engaging First Nations, Métis, and Inuit peoples;
- Identify appropriate collaboration mechanisms;
- Discuss and address collaboration barriers; and
- Determine measures for success.

**Membership:** The SGC will be co-chaired by the Deputy Minister of Environment and Climate Change Canada and the Chief Science Advisor. Members will include senior management representation from:

- Agriculture and Agri-Food Canada;
- Canada Foundation for Innovation;
- Canadian Institutes of Health Research;
- Crown-Indigenous Relations and Northern Affairs;
- Fisheries and Oceans Canada;
- Health Canada;
- Indigenous Services Canada;
- Infrastructure Canada;
- Innovation, Science, and Economic Development Canada;
- Natural Resources Canada;
- Natural Sciences and Engineering Research Council; and
- Social Sciences and Humanities Research Council.

Other Departments and Agencies may be invited to participate in the SCG dependent on selected activities. The SCG will explore possible integration within the Canada Research Coordination Committee whose membership and mandate appear complementary to that of the proposed SCG.

**Timeline**

- The first meeting was held July 19, 2018. Subsequent meetings will be scheduled at the pleasure of the co-chairs.

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# Roadmap to Develop a National Climate Change Science Plan

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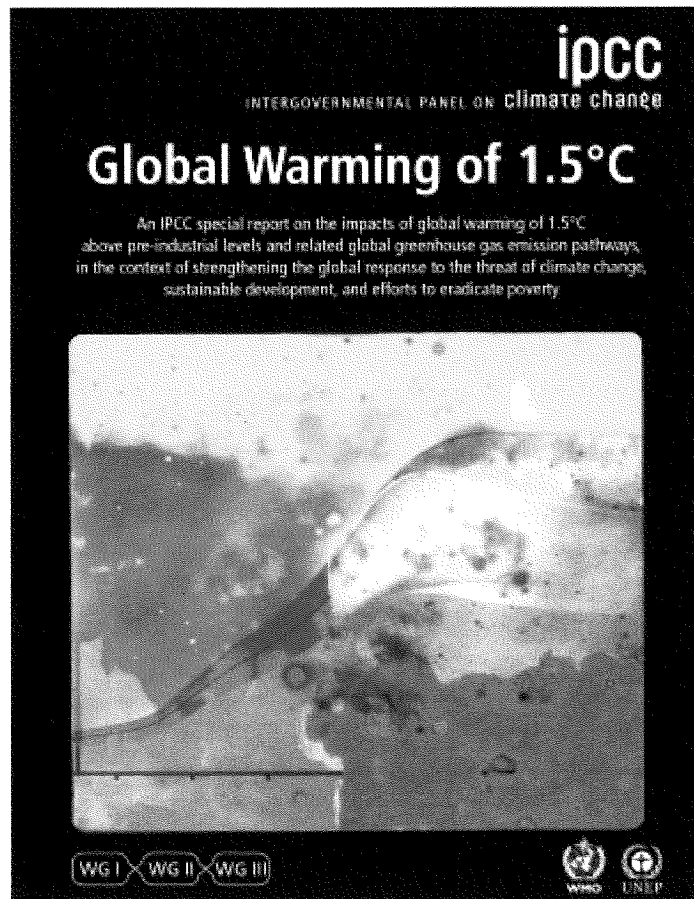
Science Coordination Group  
on Climate Change

November 7, 2018

# Purpose

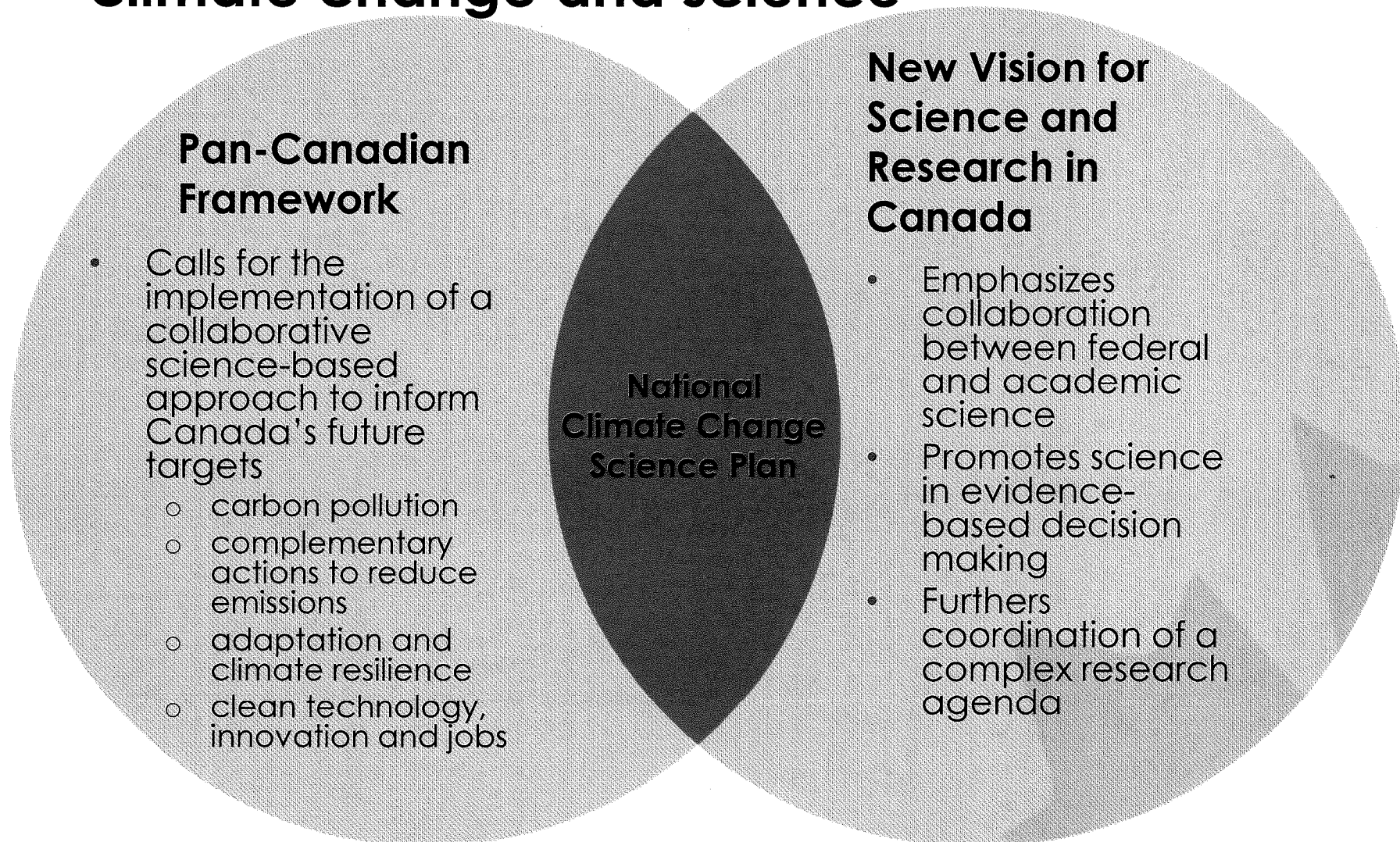
1. Outline the context for development of a National Climate Change Science Plan
2. Propose an approach and key milestones including:
  - Engaging early with key partners, including Indigenous peoples
  - Identifying national climate change science priority areas
  - Developing a Joint Call for Proposals (2019-20)
3. Identify departmental and agency contributions to develop a National Climate Change Science Plan

# Science-Policy linkages on climate change are strengthening



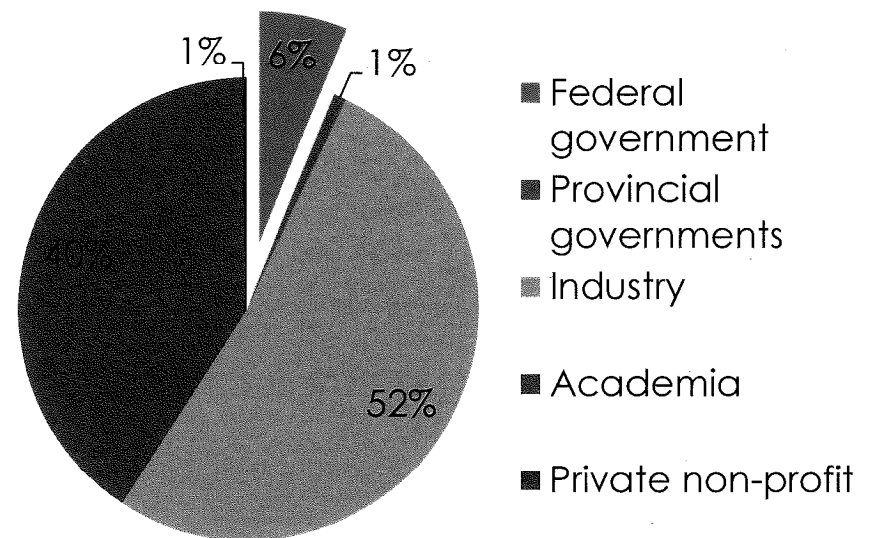
- Intergovernmental Panel on Climate Change report is most recent example of the pathway from science to policy (e.g. impact on the Arctic).
- Looking forward... Need for a national science agenda to leverage breadth of national capacity to inform policy development.

# Government of Canada takes leadership on climate change and science



# Early Federal Action

- **Targeted Federal Climate Change Science Plan 2017- 2020**
  - Accelerates activities to support the PCF, predominately under the PCF adaptation pillar
  - Supports 18 activities spanning 14 departments (see themes in Annex A)
- However, it only covers federal science, which makes up ~6% of Canadian science capacity



# Towards a National Climate Change Science Plan

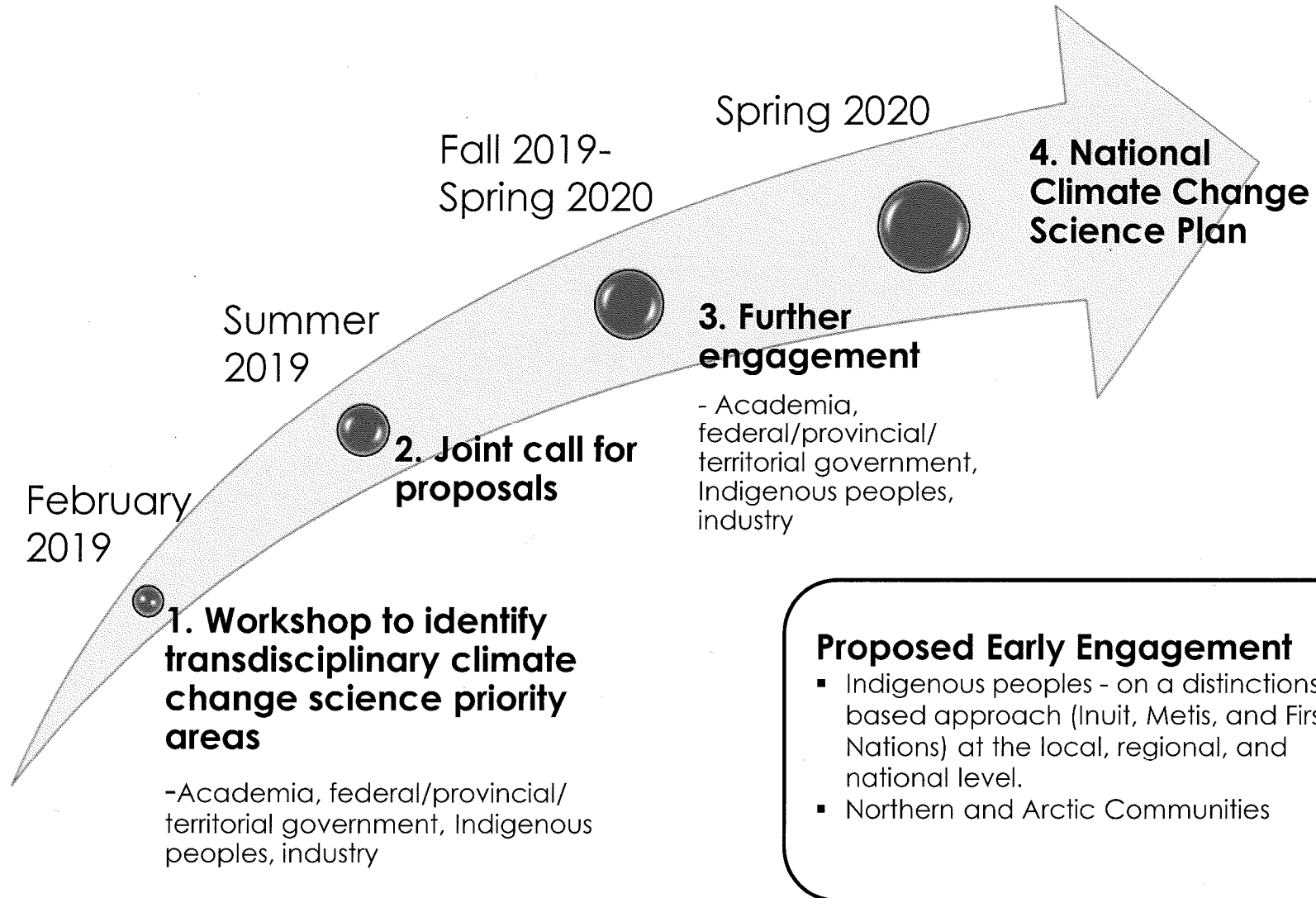
- At the last meeting of the Science Coordination Group on Climate Change, Deputy Ministers called for a National Climate Change Science Plan
- A National Climate Change Science Plan will:
  - Build on the Targeted Federal Climate Change Science Plan
  - Reinforce Canada's leadership on climate change by setting a multi-year transdisciplinary national science agenda on climate change
  - Improve understanding in areas where there are gaps in knowledge and identify international partnerships to address these gaps
  - Support active participation of First Nations, Metis and Inuit peoples in the development and implementation of the Plan, including their leadership in identifying priorities
  - Seek to bring science alongside Indigenous Knowledge to inform policy- and decision-making
- A National Plan will also support the **New Vision for Science** and the **PCF** through:
  - A coordinated approach to address the complex nature of climate change
  - Harnessing the full capacity of Canada's science and knowledge holders.



# What will success look like?

- ☐ Enhanced intra- and extra-mural collaboration on climate change science
- ☐ Leadership and active engagement by First Nations, Metis and Inuit peoples
- ☐ Clear pathways from science to policy
- ☐ World class science to support policy
- ☐ Science is available and accessible to a wide range of users
- ☐ Improved understanding of climate change science findings amongst Canadians and decision-makers

# Roadmap to Develop a National Climate Change Science Plan



# Milestone 1: Identify Climate Change Science Priority Areas

- Identify broad priority areas through a survey of ~ 200 targeted participants in Fall 2018
- Establish core group of Departments to scope workshop and priority areas
  - Early interest from: AAFC, ECCC, HC, NRCan, and others?
- Early outreach to National Indigenous Organizations as an initial step in working with First Nations, Metis and Inuit peoples to shape the National Plan.
- Workshop in February 2019 – 1 to 1.5 days
  - ~ 75 participants: Federal government, academia and Indigenous peoples
  - Informed by survey and outreach results

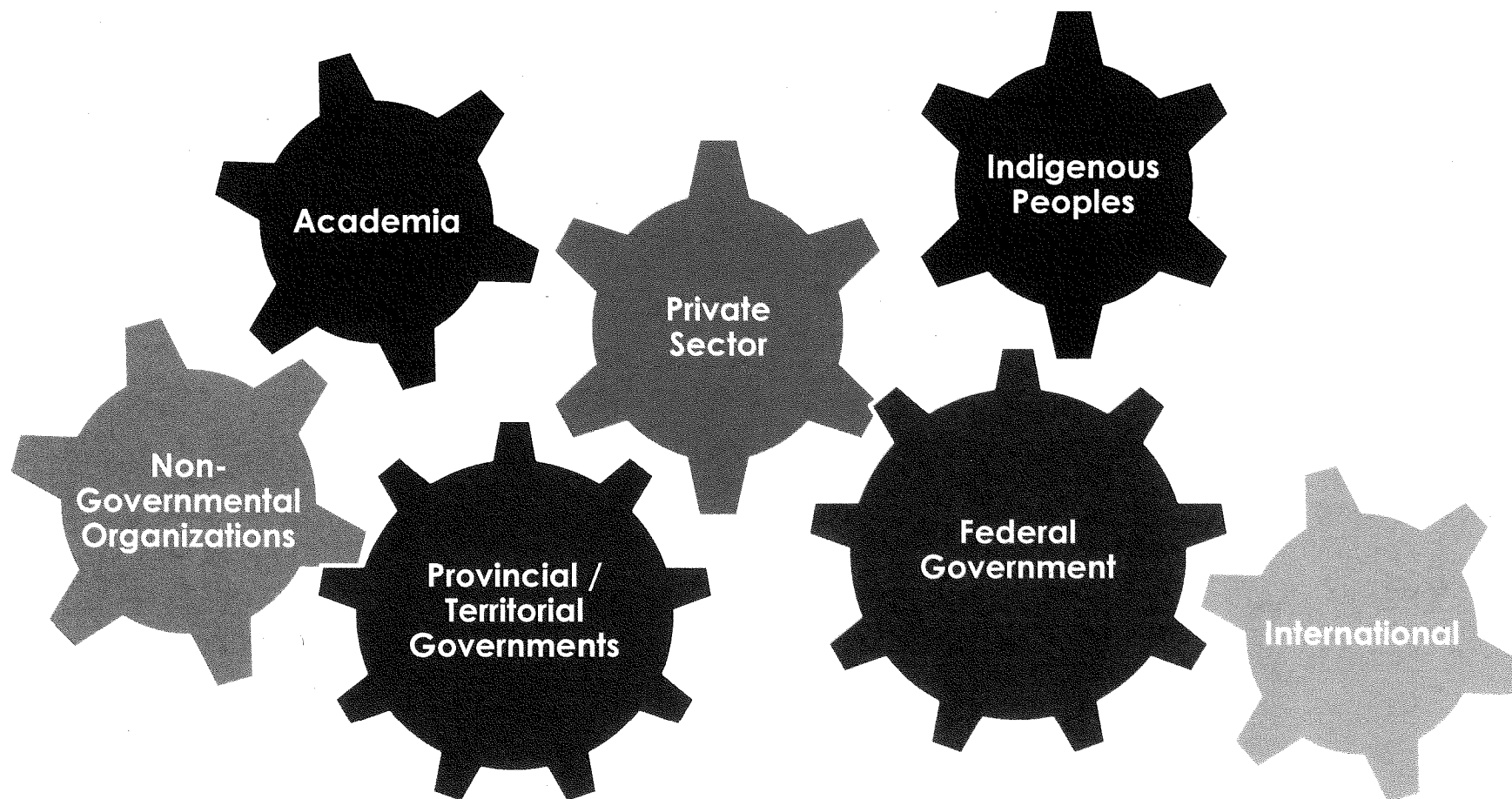
## Milestone 2: Joint Call for Proposals (launch 2019-20)

- Focus on initial climate change science priorities identified through the February workshop
- Bring together federal departments, agencies, and academia
- Span the natural, health, and social sciences and the humanities
- Engage Indigenous Peoples

**Builds on momentum and areas of investment in 2018-19** ECCC-NSERC-HC Joint Call for Proposals - \$4.8M over 3 years:

- **Carbon cycle** - improve understanding of carbon dynamics in Canadian ecosystems
- **Heat** - protect the health of Canadians by advancing cooling technologies
- **Forest** - accelerate knowledge of ecosystem services

## Milestone 3: Engagement to Develop a National Climate Change Science Plan

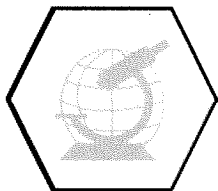


# Discussion

- Views on the roadmap towards the National Climate Change Science Plan. Are there opportunities to deepen engagement or other key players to engage?
- How can we work together and pool resources to develop the Plan, including:
  - engagement phase
  - championing or participating in the Joint Call for Proposals
- What are key considerations for engaging other levels of government and sectors (e.g. participants, timing) in the development of the National Climate Change Science Plan?

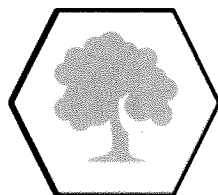
## **ANNEX A: PRIORITY THEMES**

### **Targeted Federal Climate Change Science Plan**



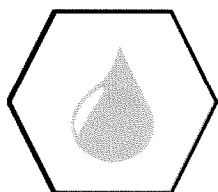
#### ***Communicating and Delivering Climate Change Science Knowledge***

Translating climate change science information into a form that is easily accessible to most Canadians.



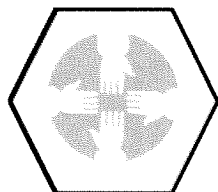
#### ***Carbon Cycles and Sinks***

Understanding the carbon storage potential of ecosystems by developing a better picture of carbon stocks and fluxes in terrestrial and aquatic ecosystems across Canada.



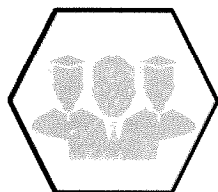
#### ***Water***

Developing and integrating data and data visualisation tools related to aquatic ecosystems and ecosystem health to support water resources management and adaptation in a changing climate.



#### ***Resilient Regions and Communities***

Understanding climate change impacts and enabling Canadian regions and communities become more resilient to those impacts through access to the latest knowledge and tools to inform their planning and responses.



#### ***Human Dimensions of Climate Change***

Exploring how insights from the humanities and social sciences, Indigenous Knowledge, and local knowledge can support climate change mitigation and adaptation decision-making.

## **Concept Paper for a National Workshop on Climate Change Science**

This paper outlines a proposal for a national workshop to identify climate change science priority areas that will inform the development of a National Climate Change Science plan.

### **Context**

In the winter of 2018, the *Targeted Federal Climate Change Science Plan* (CCSP) was implemented to accelerate federal science to support decision-making under the *Pan-Canadian Framework for Clean Growth and Climate Change* (PCF). Due to its targeted nature, the CCSP only addresses a small portion of the climate change science performed in Canada that could support the PCF.

To better align with Canada's New Vision for Science, external collaborators will be engaged to identify science priorities areas to inform a National Climate Change Science Plan. To do this, at its inaugural meeting in July 2018, the Science Coordination Group on Climate Change (SCG) recommended having a national workshop to expand the scope of the CCSP and increase collaboration with academia and Indigenous Peoples.

### **Rational for a National Workshop**

The PCF provides a driver for a more holistic planning and delivery of climate change science for Canada. The CCSP recognized this, and seized the opportunity to accelerate crucial federal science that aligns with the climate change actions prioritized in the PCF. With this first step underway, it is timely to expand collaboration and dialogue to include a wider scope of relevant partners.

A workshop with federal departments and agencies, academia, Indigenous Peoples and other relevant research organizations will provide an opportunity to expand the dialogue that shaped the CCSP.

The **purpose** of the workshop is to determine what areas of climate change science should be prioritized and accelerated to better support the actions outlined in the PCF. The activities profiled in the CCSP will be complete in 2020, and a National Climate Change Science Plan will take its place.

### **National Workshop Objectives**

The national workshop will identify climate change science priority areas to:

- inform the development of a National Climate Change Science Plan, and
- form the basis for a joint call for proposals with multiple departments and agencies and several granting agencies to be launched in 2019-2020.

### **National Workshop Format**

The workshop will be 1 to 1.5 days in duration. To maximize discussion time during the workshop, some baseline information (e.g. climate change science gaps and priority



science themes) will be collected through a pre-workshop survey with experts. To optimize brainstorming and ideas exchange, the workshop will include:

- panel discussions with panelists from academia, prominent climate change organizations and Indigenous organizations to frame further discussion; and
- break-out sessions, organized by theme or area of specialization, to propose science priorities.

### Proposed Timeline

The national workshop is planned for winter 2019 to allow adequate time to issue a joint call for proposals in early 2019-2020. The national workshop would be the first step in the development of the National Climate Change Science Plan.

<b>Milestones National Science Climate Change Plan</b>	<b>Date</b>
<b>Plan Workshop</b> <ul style="list-style-type: none"> <li>• Launch survey.</li> <li>• Engagement with climate change science users and producers.</li> <li>• Outreach to Indigenous Organizations.</li> </ul>	Fall 2018
<b>Deliver Workshop</b>	Feb. 2019
<b>Workshop Report - identify key gaps and priority areas</b>	Spring 2019
<b>Joint call for proposals with granting agencies</b>	Summer 2019
<b>Develop broad outline of the plan</b>	Summer 2019
<b>Further engagement and consultations</b>	Fall 2019
<b>Final Science Plan</b>	Spring 2020



# Climate Change Science Landscape in Canada

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## An Overview of Granting Agency Investments in Climate Change Science

November 7, 2018

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Canada

# Purpose

To present an overview of Granting Agency Climate Change Science Investments in Canada

# Context

- Canada's Granting Agencies fund a significant portion of science in Canada. To understand Canada's climate change science landscape it is crucial to map Granting Agency climate change science investment.

## Granting Agencies

Canada Foundation for Innovation (CFI)

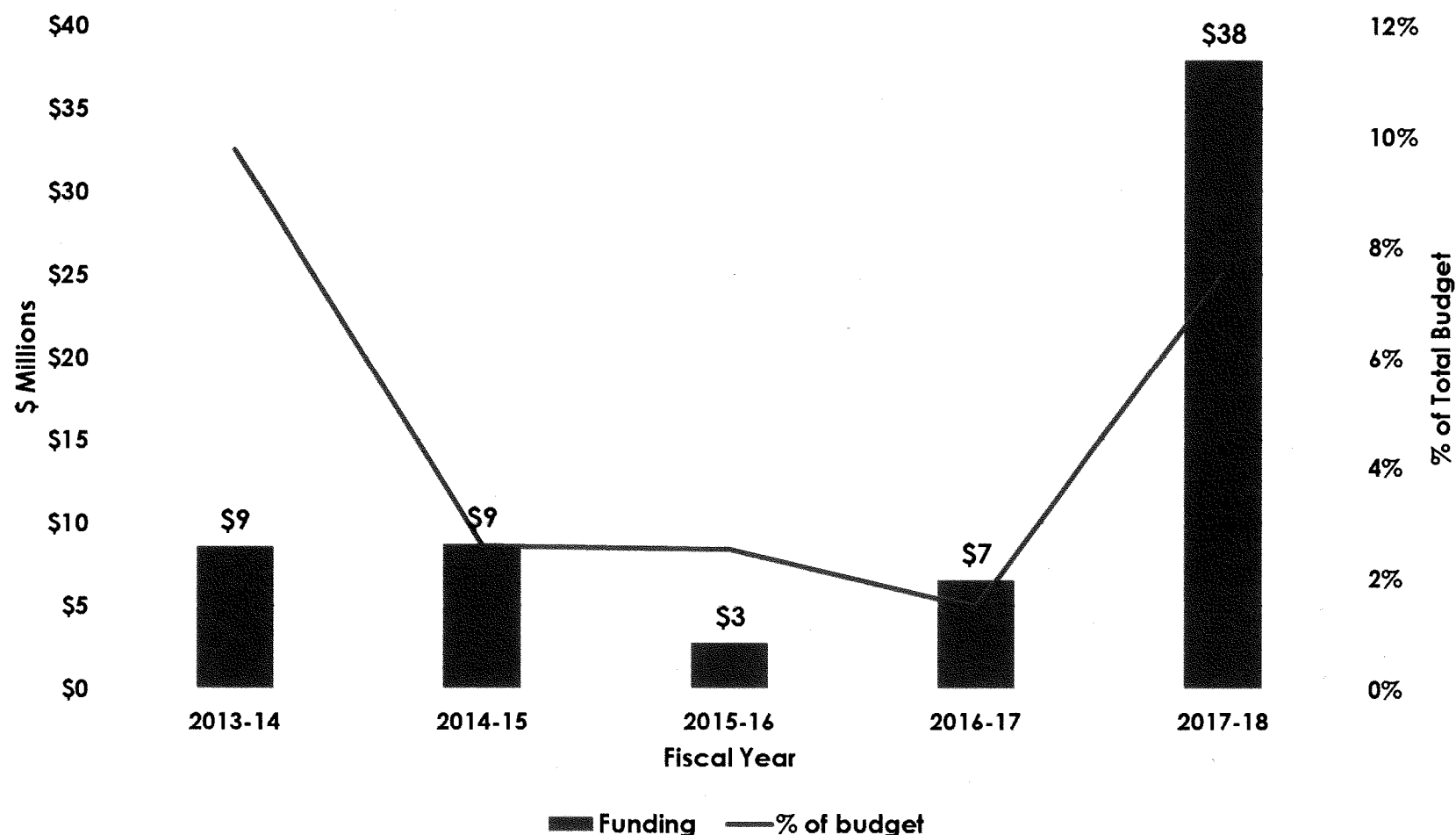
Canadian Institutes of Health Research (CIHR)

Natural Sciences and Engineering Research Council (NSERC)

Social Science and Humanities Research Council (SSHRC)

Genome Canada

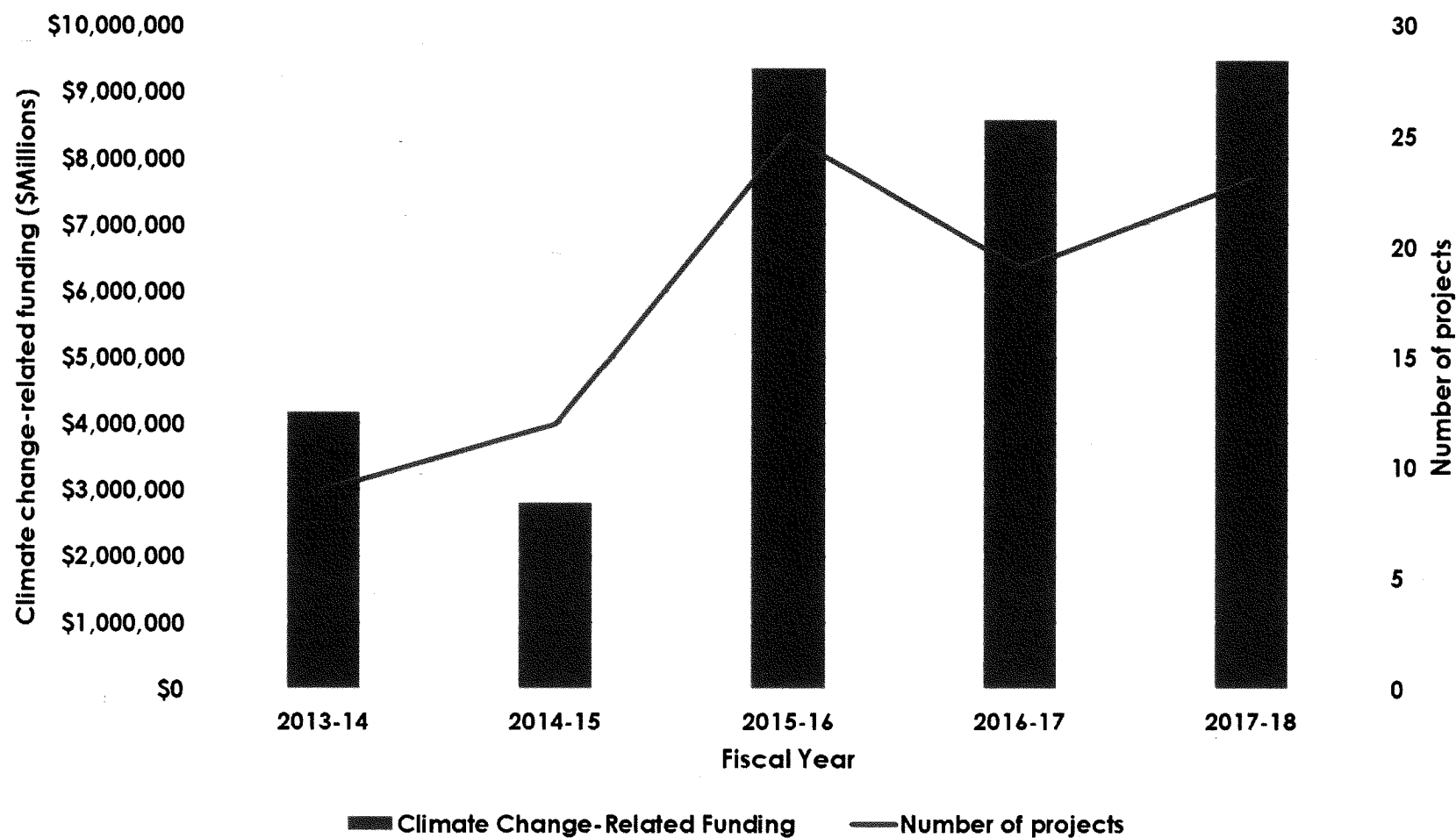
# CFI clean technology related funding commitments



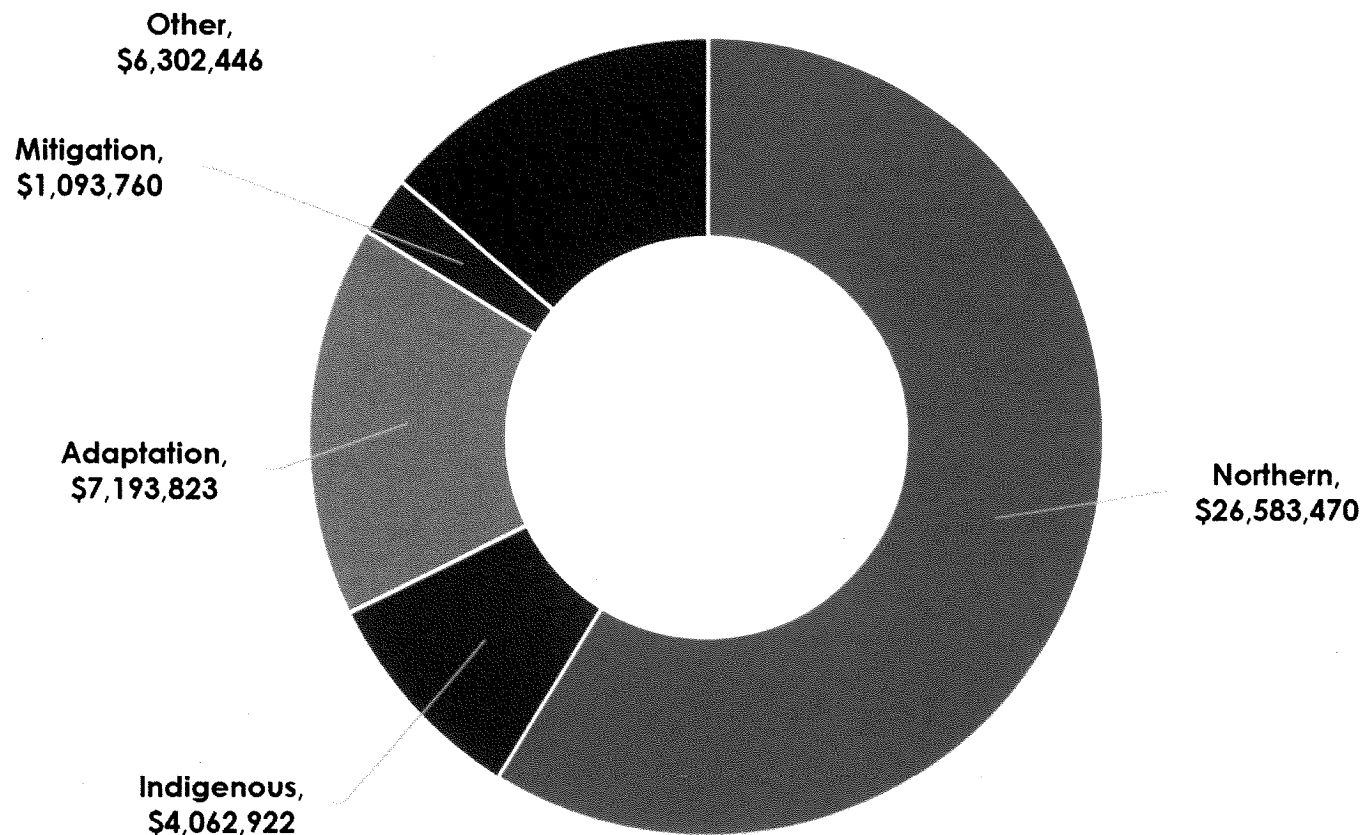
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- CFI does not have dedicated climate change related funds. Whether the projects are funded by CFI depends on decisions made by institutions submitting proposals to CFI as well as the outcome of CFI's expert review processes.
- The variances of \$ amount found across years are mostly due to the different type/ size of projects included in each year (e.g. several IF projects with large \$ amount in 2017-2018).

# CIHR Climate Change-Related Funding



# CIHR Contribution by Area



FY 2013-14 to FY 2017-18

# CIHR Climate Change-Related Funding

As part of Pan-Canadian Framework on Clean Growth and Climate Change (\$11M from 2018/19-2024/25):

## **Climate Change and Food Security in the Canadian North**

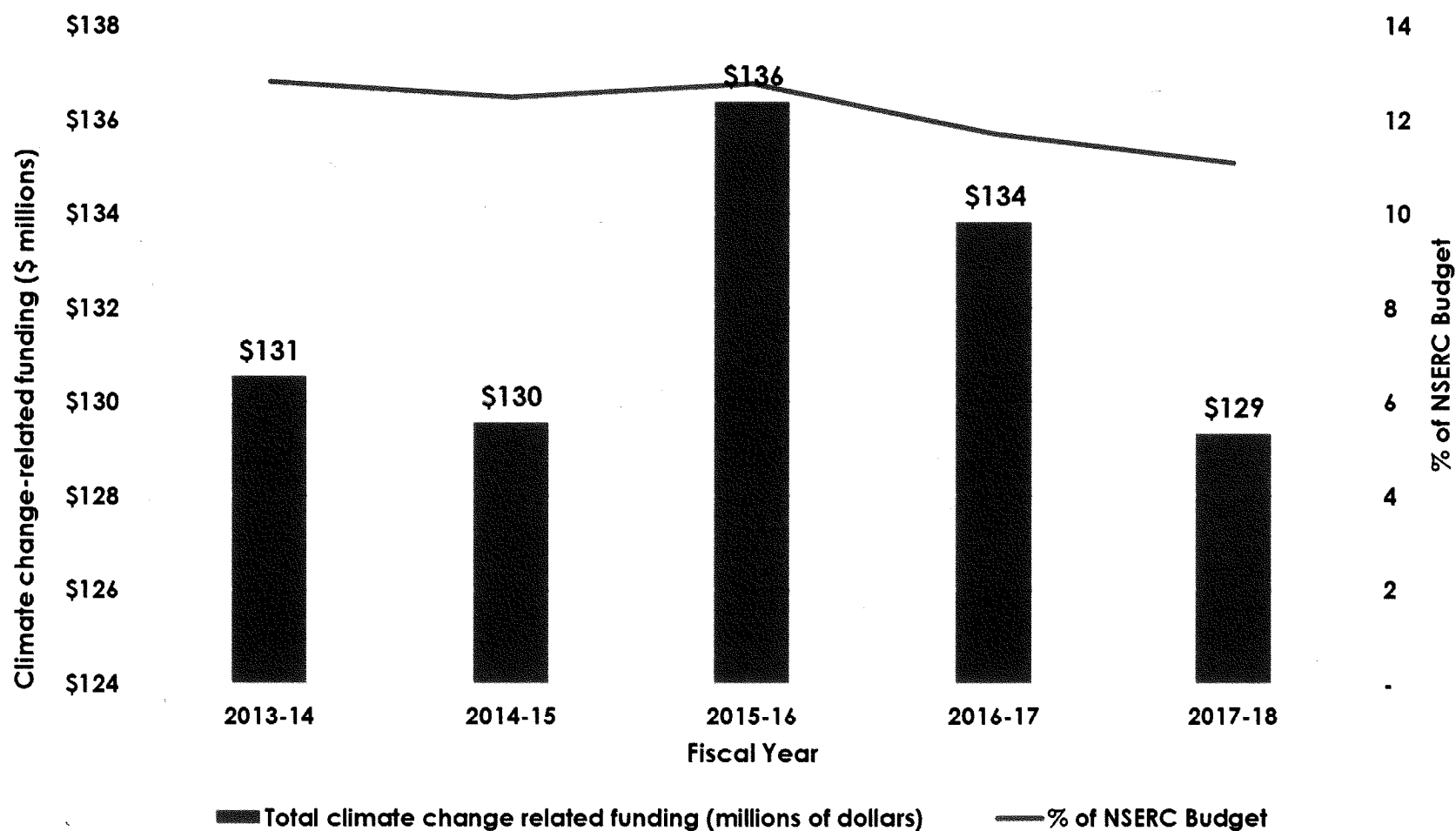
- Development and Engagement Grants: \$1.05M for 7 grants for up to 2 years
- Upcoming team grants: \$3.12M (\$120K for 8 development grants and \$3M for 2 four-year grants at full application)
- Aims to create new knowledge about magnitude and health effects of climate change to address food insecurity, incorporating Indigenous knowledge.

## **Pan-Canadian Research Network on Lyme Disease**

- \$4M for 4 years awarded in October 2018
- Aims to generate knowledge to improve prevention, control, diagnosis, and treatment.

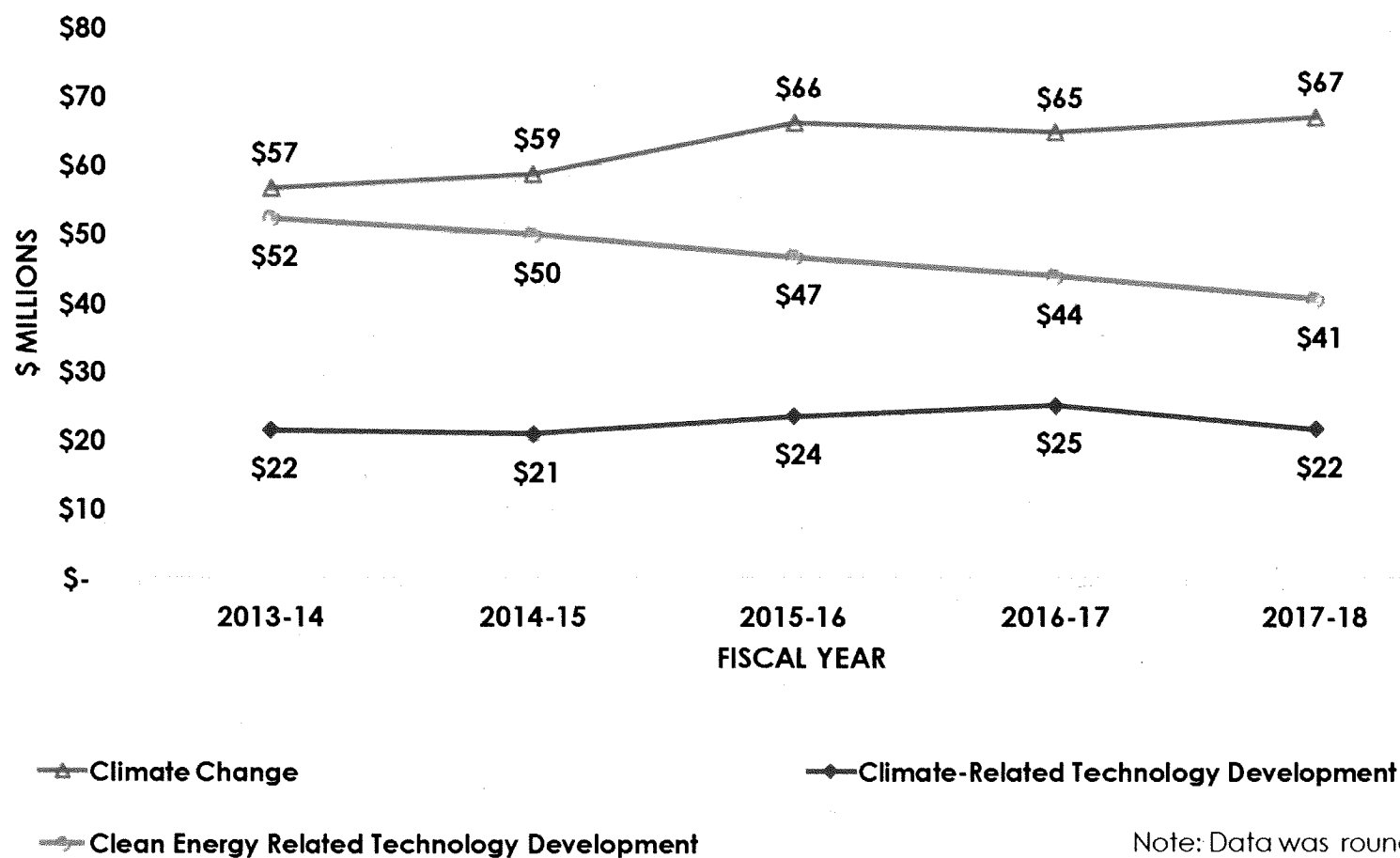


# NSERC Climate Change-Related Funding

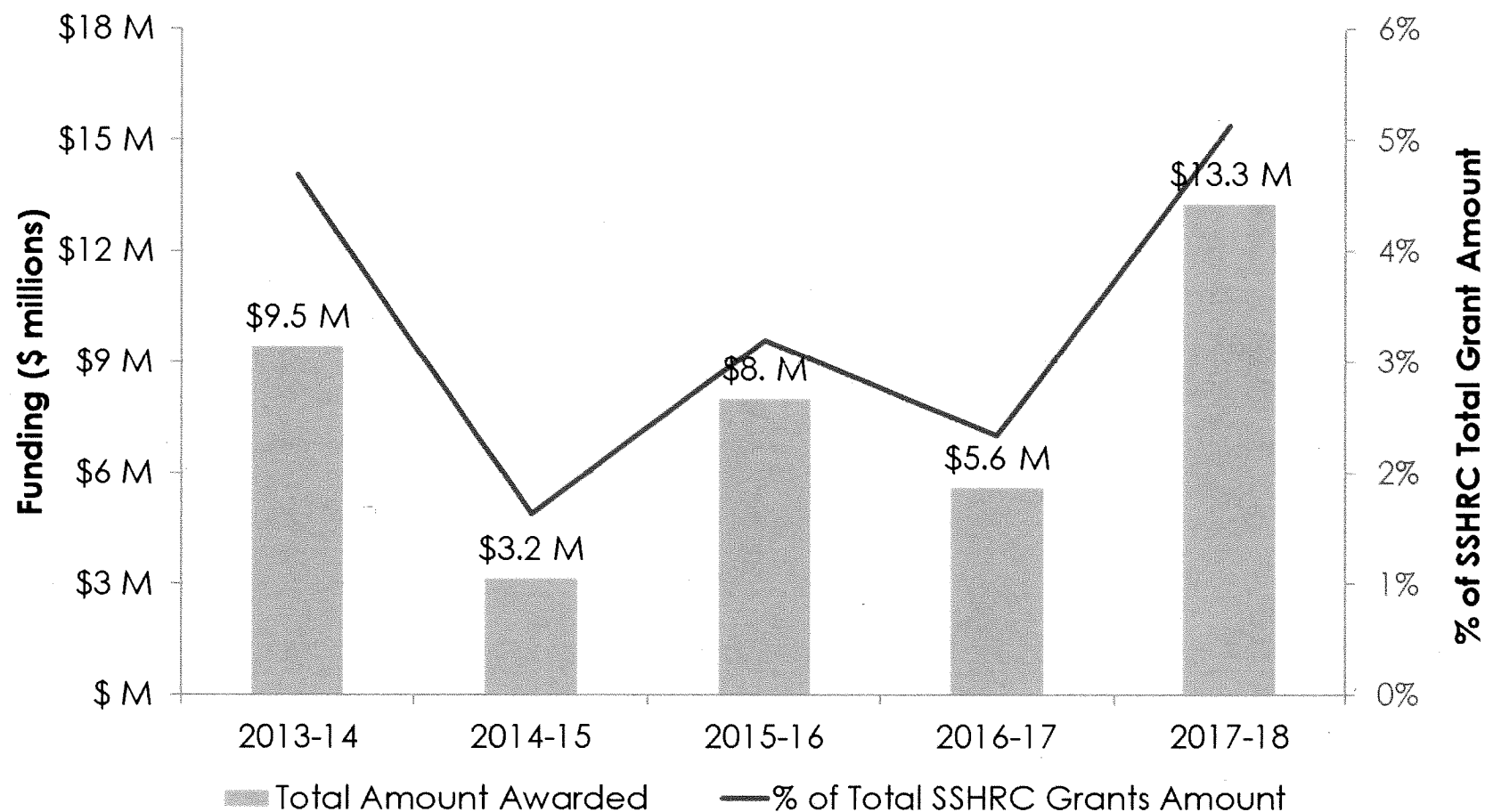


Note: Data was rounded up

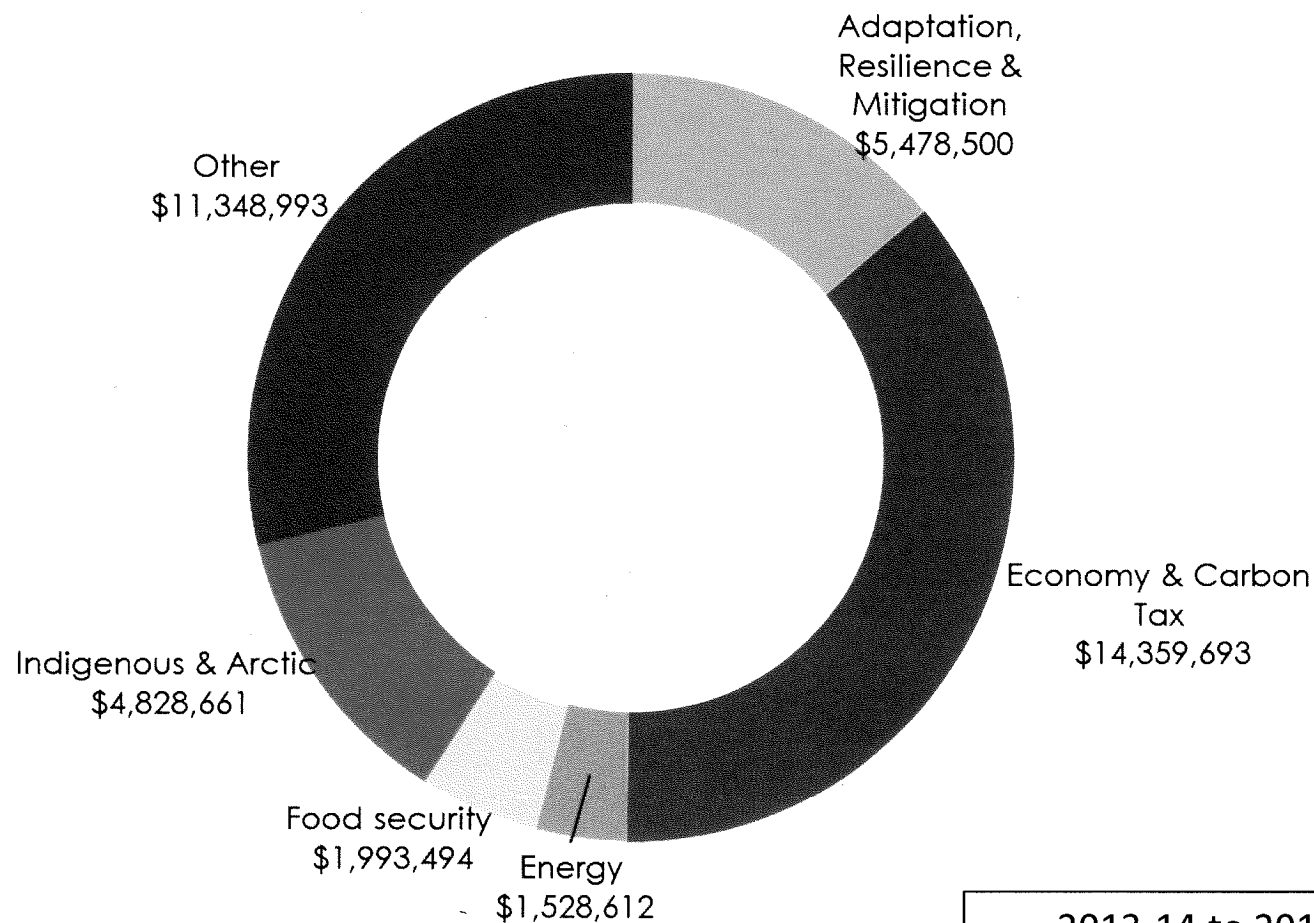
# NSERC Climate Change-Related Funding by type



# SSHRC Climate Change-related Funding

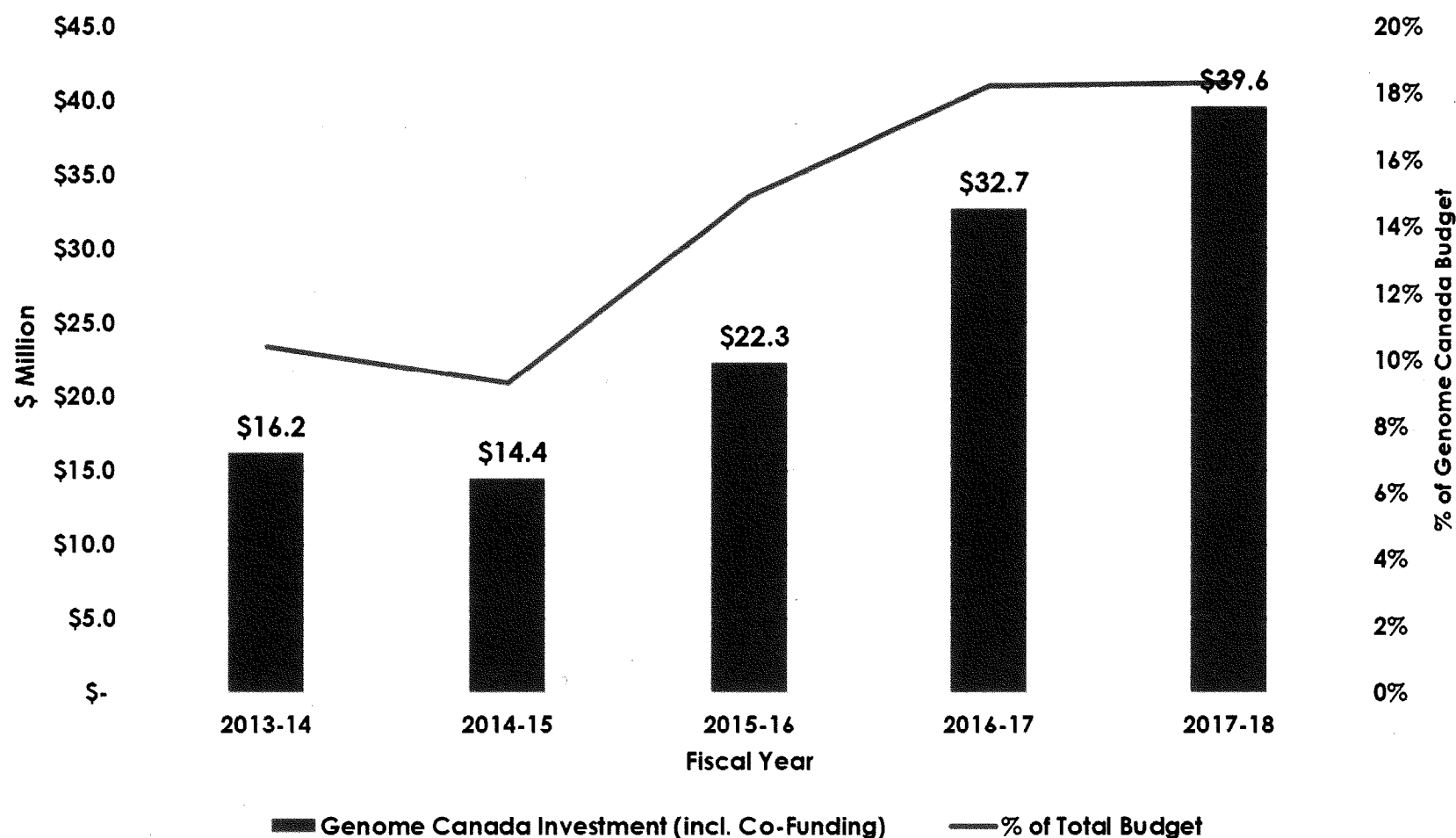


# SSHRC Contribution by Sub-Themes



2013-14 to 2017-18

# Genome Canada Climate Change-Related Funding



# Genome Canada Funding by Descriptor

